



SEQUENCE LISTING

<110> CLARK, Susan J.
MILLER, Douglas S.
MOLLOY, Peter L.

<120> ASSAY FOR METHYLATION IN THE GST-PI GENE

<130> Q-61152

<140> 09/673,448

<141> 2000-10-16

<150> PCT/AU99/00306

<151> 1999-04-23

<150> PP 3129

<151> 1998-04-23

<160> 59

<170> PatentIn version 3.0

<210> 1

<211> 29

<212> DNA

<213> Homo sapiens

<400> 1

cgcgaggttt tcgttgaggt ttogtcgtc

29

<210> 2

<211> 25

<212> DNA

<213> Homo sapiens

<400> 2

cgttattagt gactacgcgc ggttc

25

<210> 3

<211> 24

<212> DNA

<213> Homo sapiens

<400> 3

yggttttagg gaattttttt tcgc

24

<210> 4

<211> 28

<212> DNA

<213> Homo sapiens

<400> 4

YGGYGYgtta gttYgttgyg tatatttc

28

<210> 5
<211> 29
<212> DNA
<213> Homo sapiens

<400> 5
gggaattttt tttcgcgatg tttyggcgc 29

<210> 6
<211> 24
<212> DNA
<213> Homo sapiens

<400> 6
tttttagggg gttyggagcg tttc 24

<210> 7
<211> 19
<212> DNA
<213> Homo sapiens

<400> 7
ggtaggttgy gtttatcgc 19

<210> 8
<211> 27
<212> DNA
<213> Homo sapiens

<400> 8
aaaaattcra atctctccga ataaacg 27

<210> 9
<211> 27
<212> DNA
<213> Homo sapiens

<400> 9
aaaaaccraa ataaaaacca cacgacg 27

<210> 10
<211> 25
<212> DNA
<213> Homo sapiens

<400> 10
tcccatccct ccccgaaacg ctccg 25

<210> 11

<211> 33
<212> DNA
<213> Homo sapiens

<400> 11
gaaacgctcc gaacccccta aaaaccgcta acg 33

<210> 12
<211> 27
<212> DNA
<213> Homo sapiens

<400> 12
crrcctaataa tccccraaat crccgcg 27

<210> 13
<211> 30
<212> DNA
<213> Homo sapiens

<400> 13
accccracra ccrctacacc ccraacgctg 30

<210> 14
<211> 31
<212> DNA
<213> Homo sapiens

<400> 14
ctcttctaaa aaatcccrer aactcccgcc g 31

<210> 15
<211> 29
<212> DNA
<213> Homo sapiens

<400> 15
aaaacrcctt aaaatccccg aaatcgccg 29

<210> 16
<211> 30
<212> DNA
<213> Homo sapiens

<400> 16
aactcccrcc gaccccaacc ccgacgaccg 30

<210> 17
<211> 23
<212> DNA
<213> Artificial

<220>
<221> misc_feature
<222> ()..()
<223> Oligo which binds bisulfite-converted human GST-Pi gene

<400> 17
aaacctaataaa aataaacaaa caa

23

<210> 18
<211> 23
<212> DNA
<213> Artificial

<220>
<221> misc_feature
<222> ()..()
<223> Oligo which binds non-converted human GST-Pi gene

<400> 18
gggcctaggg agtaaacaga cag

23

<210> 19
<211> 25
<212> DNA
<213> Artificial

<220>
<221> misc_feature
<222> ()..()
<223> Oligo which binds human GST-Pi gene

<400> 19
cctttccctc tttcccarrrt cccca

25

<210> 20
<211> 25
<212> DNA
<213> Artificial

<220>
<221> misc_feature
<222> ()..()
<223> Oligo which binds bisulfite-converted human GST-Pi gene

<400> 20
tttggtatatt tttttcgggt ttttag

25

<210> 21

<211> 25
<212> DNA
<213> Artificial

<220>
<221> misc_feature
<222> ()..()
<223> Oligo which binds non-converted human GST-Pi gene

<400> 21
cttggcatcc tcccccgggc tccag 25

<210> 22
<211> 26
<212> DNA
<213> Artificial

<220>
<221> misc_feature
<222> ()..()
<223> Oligo which binds human GST-Pi gene

<400> 22
ggyaggggaag ggaggyaggg gytggg 26

<210> 23
<211> 31
<212> DNA
<213> Homo sapiens

<400> 23
ttatgtaata aatttgata tttgtatat g 31

<210> 24
<211> 25
<212> DNA
<213> Homo sapiens

<400> 24
tgtagattat ttaaggtag gagtt 25

<210> 25
<211> 27
<212> DNA
<213> Homo sapiens

<400> 25
aaacctaataa aataaataa caacaaa 27

<210> 26

<211> 29
<212> DNA
<213> Homo sapiens

<400> 26
aaaaaacctt tccctctttc ccaaattccc

29

<210> 27
<211> 27
<212> DNA
<213> Homo sapiens

<400> 27
tttggtggtt gtttattttt taggttt

27

<210> 28
<211> 26
<212> DNA
<213> Homo sapiens

<400> 28
gggatttggtt aaagagggaa aggttt

26

<210> 29
<211> 24
<212> DNA
<213> Homo sapiens

<400> 29
actaaaaact ctaaacccca tccc

24

<210> 30
<211> 24
<212> DNA
<213> Homo sapiens

<400> 30
aacctaatac taccttaacc ccat

24

<210> 31
<211> 33
<212> DNA
<213> Homo sapiens

<400> 31
aatcctcttc ctactatcta ttactccct aaa

33

<210> 32
<211> 29
<212> DNA
<213> Homo sapiens

<400> 32
aaaacctaaa aaaaaaaaaa aaacttccc 29

<210> 33
<211> 29
<212> DNA
<213> Homo sapiens

<400> 33
ttggttttat gttgggagtt ttgagtttt 29

<210> 34
<211> 29
<212> DNA
<213> Homo sapiens

<400> 34
ttttgtgggg agttgggggtt tgatgttgt 29

<210> 35
<211> 29
<212> DNA
<213> Homo sapiens

<400> 35
ggtttagagt ttttagtatg gggttaatt 29

<210> 36
<211> 20
<212> DNA
<213> Homo sapiens

<400> 36
tagtattagg ttagggtttt 20

<210> 37
<211> 29
<212> DNA
<213> Homo sapiens

<400> 37
aactctaacc ctaatctacc aacaacata 29

<210> 38
<211> 29
<212> DNA
<213> Homo sapiens

<400> 38
caaaaaactt taaataaacc ctcctacca 29

<210> 39
<211> 32
<212> DNA
<213> Homo sapiens

<400> 39
gttttgtggt taggttggtt tttaggtggt ag

32

<210> 40
<211> 30
<212> DNA
<213> Homo sapiens

<400> 40
gttttgagta tttgttggtt gtagtttttt

30

<210> 41
<211> 30
<212> DNA
<213> Homo sapiens

<400> 41
ttaatatataa taataaaaaat atattttacaa

30

<210> 42
<211> 34
<212> DNA
<213> Homo sapiens

<400> 42
caacccccaa tacccaaccc taatacaaact actc

34

<210> 43
<211> 26
<212> DNA
<213> Homo sapiens

<400> 43
ggtttttagtt tttggttggt tggatg

26

<210> 44
<211> 26
<212> DNA
<213> Homo sapiens

<400> 44
tttttttggt tttagtatat gtgggg

26

<210> 45

<211> 30
<212> DNA
<213> Homo sapiens

<400> 45
ataactaaaa aactatttttc taatcctcta 30

<210> 46
<211> 29
<212> DNA
<213> Homo sapiens

<400> 46
ccaaactaaa aactccaaaa aaccactaa 29

<210> 47
<211> 38
<212> DNA
<213> Artificial

<220>
<221> misc_feature
<222> ()..()
<223> M13-human GST-Pi oligonucleotide

<400> 47
tgtaaaacga cggccagtgg gatttgggaa agagggaa 38

<210> 48
<211> 38
<212> DNA
<213> Artificial

<220>
<221> misc_feature
<222> ()..()
<223> M13-human GST-Pi oligonucleotide

<400> 48
tgtaaaacga cggccagttg ttgggagttt tgagtttt 38

<210> 49
<211> 31
<212> DNA
<213> Artificial

<220>
<221> misc_feature
<222> ()..()
<223> M13-human GST-Pi oligonucleotide

<400> 49
tgtaaaacga cggccagtta gtattaggtt a 31

<210> 50
<211> 37
<212> DNA
<213> Artificial

<220>
<221> misc_feature
<222> ()..()
<223> M13-human GST-Pi oligonucleotide

<400> 50
tgtaaaacga cggccagtgt tttgagtatt tgttgtg 37

<210> 51
<211> 35
<212> DNA
<213> Artificial

<220>
<221> misc_feature
<222> ()..()
<223> M13-human GST-Pi oligonucleotide

<400> 51
tgtaaaacga cggccagtgt ttttagtata tgtgg 35

<210> 52
<211> 499
<212> DNA
<213> Homo sapiens

<400> 52
tgcagatcac ctaagggtcag gagttcgaga ccagcccggc caacatggtg aaaccccgtc 60
tctactaaaa atacaaaaat cagccagatg tggcagcac ctataattcc acctactcgg 120
gaggctgaag cagaattgct tgaacccgag aggcgagggt tgcagtgagc cgccgagatc 180
gcgccactgc actccagcct gggccacagc gtgagactac gtcataaaat aaaataaaat 240
aacacaaaat aaaataaaat aaaataaaat aaaataaaat aataaaataa aataaaataa 300
aataaaataa aataaaataa agcaatttcc tttcctctaa gcggcctcca cccctctccc 360
ctgccctgtg aagcgggtgt gcaagctccg ggatcgcagc ggtcttaggg aatttcccc 420
cgcgatgtcc cggcgcgcca gttcgtctgc cacacttcgc tgcggctctc ttctgtctgt 480

ctgtttactc cctaggccc

499

<210> 53
<211> 316
<212> DNA
<213> Homo sapiens

<400> 53
gggacctggg aaagagggaa aggcttcccc ggccagctgc gcggcgactc cggggactcc 60
agggcgcccc tctgcggccg acgcccgggg tgcagcggcc gccggggctg gggccggcgg 120
gagtccgcgg gaccctccag aagagcggcc ggcgccgtga ctcagcactg gggcggagcg 180
gggcgggacc acccttataa ggctcggagg ccgcgaggcc ttcgctggag ttccgcccgc 240
gcagtcttcg ccaccagtga gtacgcgcgg ccgcgctccc cggggatggg gctcagagct 300
cccagcatgg ggccaa 316

<210> 54
<211> 603
<212> DNA
<213> Homo sapiens

<400> 54
cagcatcagg cccgggctcc cggcagggct cctcgcccac ctcgagacct gggacggggg 60
cctaggggac ccaggacgtc ccagtgccg ttagcggctt tcagggggcc cggagcgcct 120
cggggagggga tgggaccccg ggggcgggga gggggggcag gctgcgctca ccgcgccttg 180
gcatactccc ccgggctcca gcaaactttt ctttggttcgc tgcagtgcgc ccctacaccg 240
tggtctatatt cccagttcga ggtaggagca tgtgtctggc aggggaaggga ggcaggggct 300
ggggctgcag cccacagccc ctgcgccacc cggagagatc cgaacccctt tatccctccg 360
tcgtgtggct tttaaccgga gcctccttcc tgttccccgc ctctcccgcc atgcctgctc 420
ccgcgccagc tgggtgtgtga aatcttcgga ggaacctgtt tacctgttcc ctccctgcac 480
tctgacccc tccccgggtt gctgcgaggc ggagtcggcc cgggtccccc atctcgtact 540
tctccctccc cgcaggccgc tgcgcggccc tgcgcagtgt gctggcagat cagggccaga 600
gct 603

<210> 55
<211> 266
<212> DNA
<213> Homo sapiens

<400> 55

gctctgagca cctgctgtgt ggcagtctct catccttcca cgcacatcct cttccccctcc	60
tcccaggctg gggctcacag acagccccct ggttgggcca tccccagtga ctgtgtgttg	120
atcaggcgcc cagtcacgcg gcctgctccc ctccacccaa ccccagggtct ctatgggaag	180
gaccagcagg aggcagccct ggtggacatg gtgaatgacg gcgtggagga cctccgctgc	240
aaatacatct ccctcatcta caccaa	266

<210> 56
 <211> 287
 <212> DNA
 <213> Homo sapiens

<400> 56	
tccccctgct ctcagcatat gtggggcgcc tcagtgcccg gcccaagctc aaggccttcc	60
tggcctcccc tgagtacgtg aacctcccca tcaatggcaa cgggaaacag tgaggggttg	120
ggggactctg agcgggagggc agagtttgcc ttcctttctc caggaccaat aaaatttcta	180
agagagctac tatgagcact gtgtttcctg ggacggggct taggggttct cagcctcgag	240
gtcgggtggga gggcagagca gaggactaga aaacagctcc tccagca	287

<210> 57
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 57	
ataaaataaaa ataaaataaaa ataaagcaat ttccttttct ctaagcgggc tccacccctc	60
tccccctgcc tgtgaagcgg gtgtgcaagc tccgggatcg cagcgggtctt agggaatttc	120
cccccgcgat gtccccggcg gccagtctgc tgcgcacact tcgctgcggg cctcttctctg	180
ctgtctgttt actccctagg ccccgctggg gacctgggaa agaggggaaag gcttccccgg	240
ccagctgcgc ggcgactccg gggactccag ggcgcccctc tgcggccgac gcccggggtg	300
cagcggccgc cggggctggg gccggcgga gtccgcggga ccctccagaa gagcggccgg	360
cgccgtgact cagcactggg gcggagcggg gcgggaccac ccttataagg ctoggaggcc	420
gcgaggcctt cgttgaggtt tcgccgcgc agtcttcgcc accagtgagt acgcgcggcc	480
cgcgtccccg gggatggggc tcagagctcc cagcatgggg ccaa	524

<210> 58
 <211> 524
 <212> DNA
 <213> Homo sapiens

<400> 58
ataaaataaaa ataaaataaaa ataaagtaat tttttttttt ttaagtgggtt tttatttttt 60
ttttttgttt tgtgaagtgg gtgtgtaagt tttgggattg tagtggtttt aggggaatttt 120
tttttgtgat gttttgggtgt gttagtttgt tgtgtatatatt ttgttgtgggt tttttttttg 180
ttgtttgttt attttttagg ttttgttggg gatttgggaa agagggaaaag gtttttttgg 240
ttagttgtgt ggtgattttg gggatttttag ggtgtttttt tgtggttgat gtttggggtg 300
tagtggttgt tgggggttggg gttggtggga gtttgtggga ttttttagaa gagtgggttg 360
tgttgtgatt tagtattggg gtggagtggg gtgggattat ttttataagg tttggaggtt 420
gtgaggtttt tgttggagtt ttgttgttgt agtttttgtt attagtgagt atgtgtgggt 480
tgtgtttttg gggatgggggt ttagagtttt tagtatgggg ttaa 524

<210> 59
<211> 524
<212> DNA
<213> Homo sapiens

<400> 59
ataaaataaaa ataaaataaaa ataaagtaat tttttttttt ttaagcgggtt tttatttttt 60
ttttttgttt tgtgaagcgg gtgtgtaagt ttcgggatcg tagcggtttt aggggaatttt 120
ttttcgcgat gtttcggcgc gttagttcgt tgcgtatatatt tcgttcgggt tttttttttg 180
ttgtttgttt attttttagg tttcgttggg gatttgggaa agagggaaaag gttttttcgg 240
ttagttgcgc ggcgatttcg gggatttttag ggcgtttttt tcgggtcgac gttcgggggtg 300
tagcggtcgt cgggggttggg gtcggcggga gttcgcggga ttttttagaa gagcggtcgg 360
cgtcgtgatt tagtattggg gcggagcggg gcgggattat ttttataagg ttcggaggtc 420
gcgaggtttt cgttggagtt tcgtcgtcgt agttttcgtt attagtgagt acgcgcgggt 480
cgcgttttcg gggatgggggt ttagagtttt tagtatgggg ttaa 524